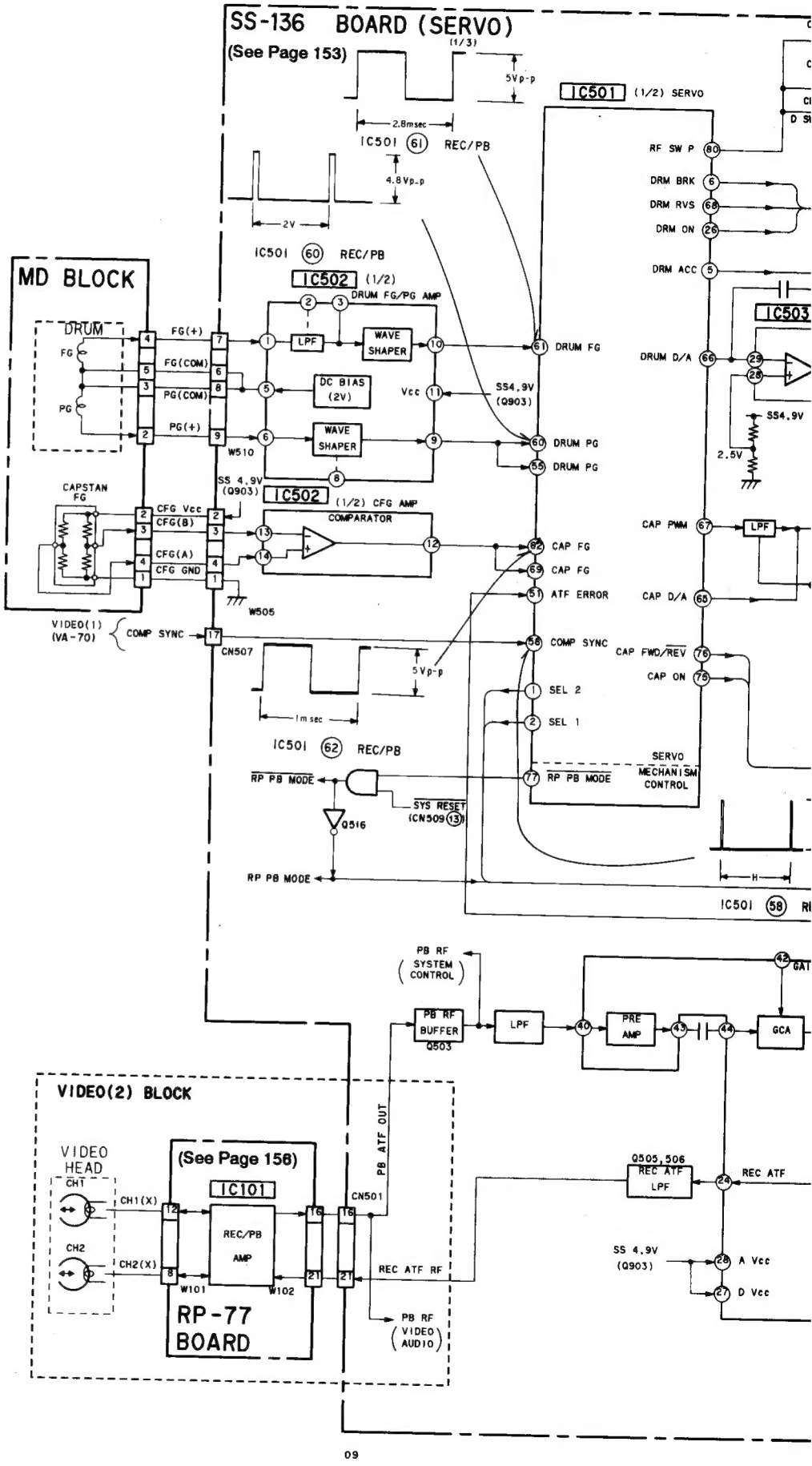
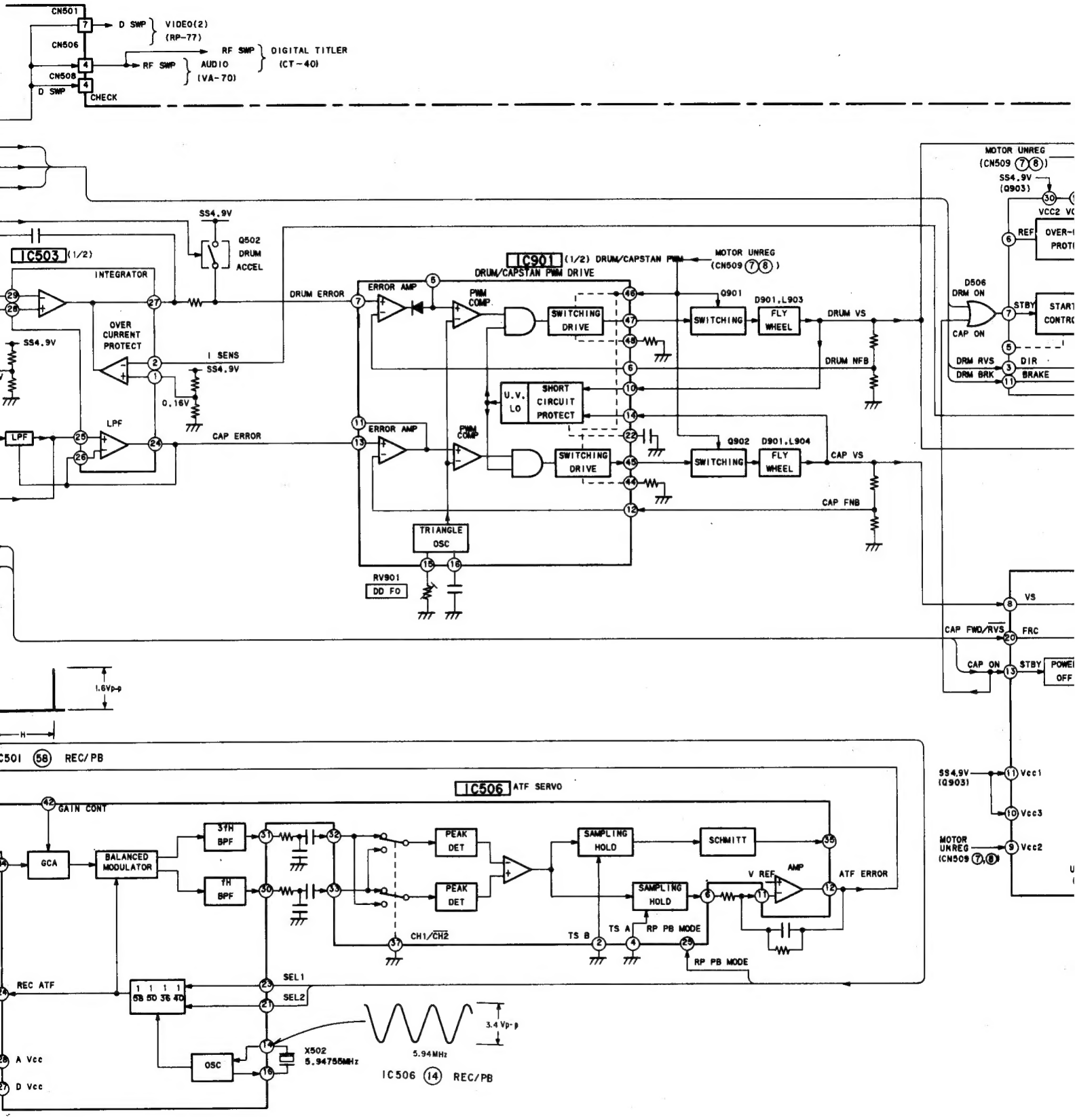
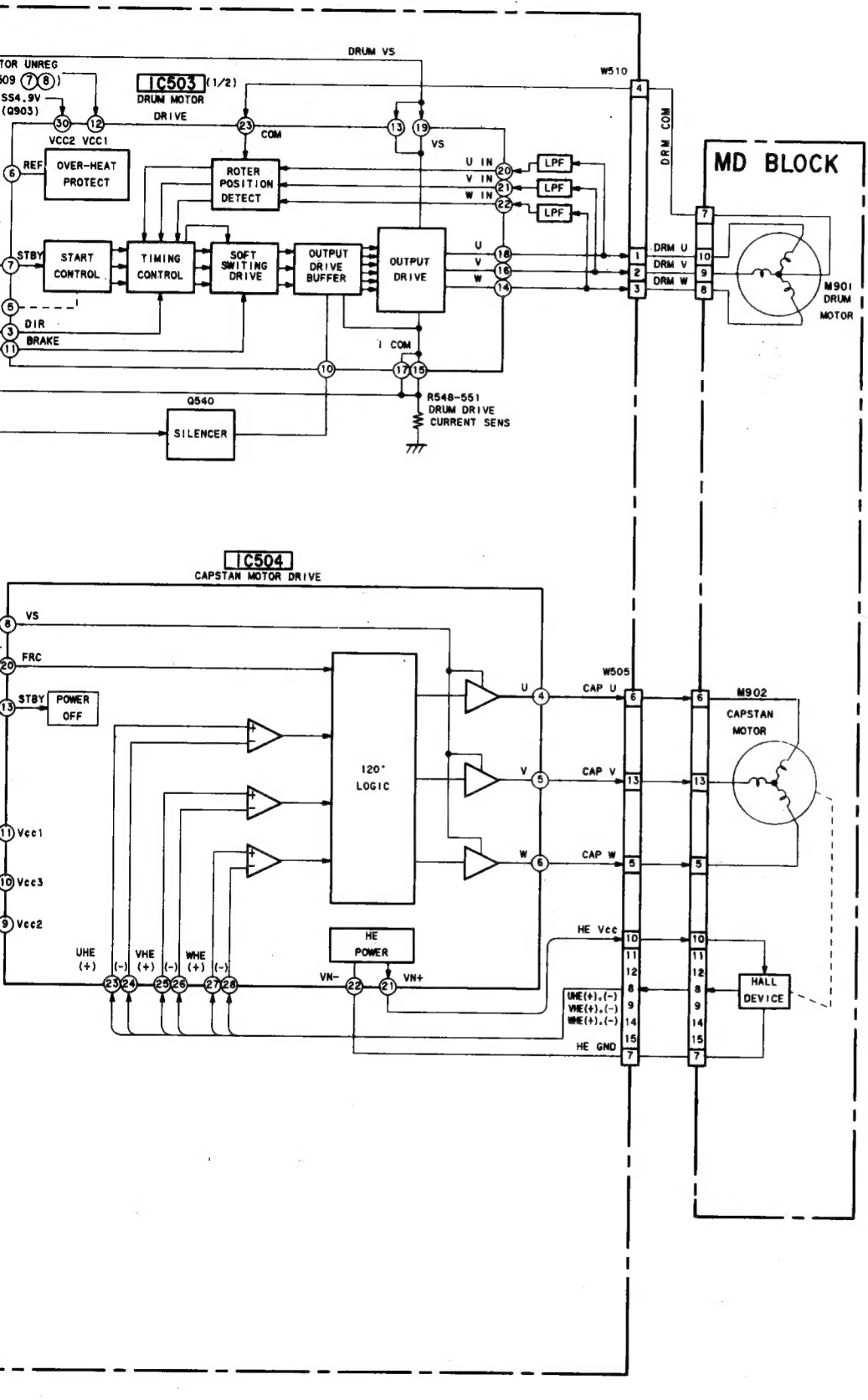
3-9. SERVO BLOCK DIAGRAM

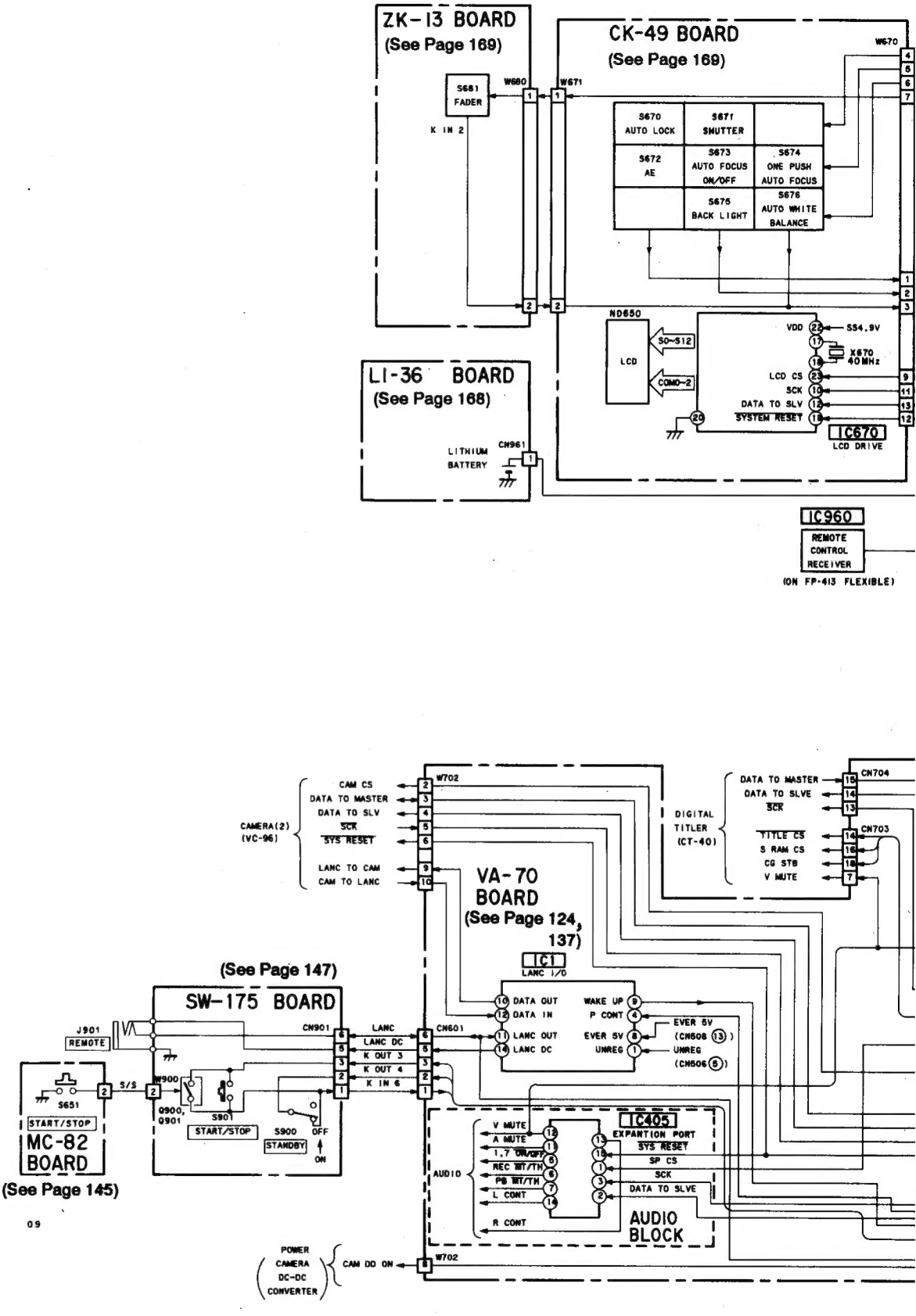


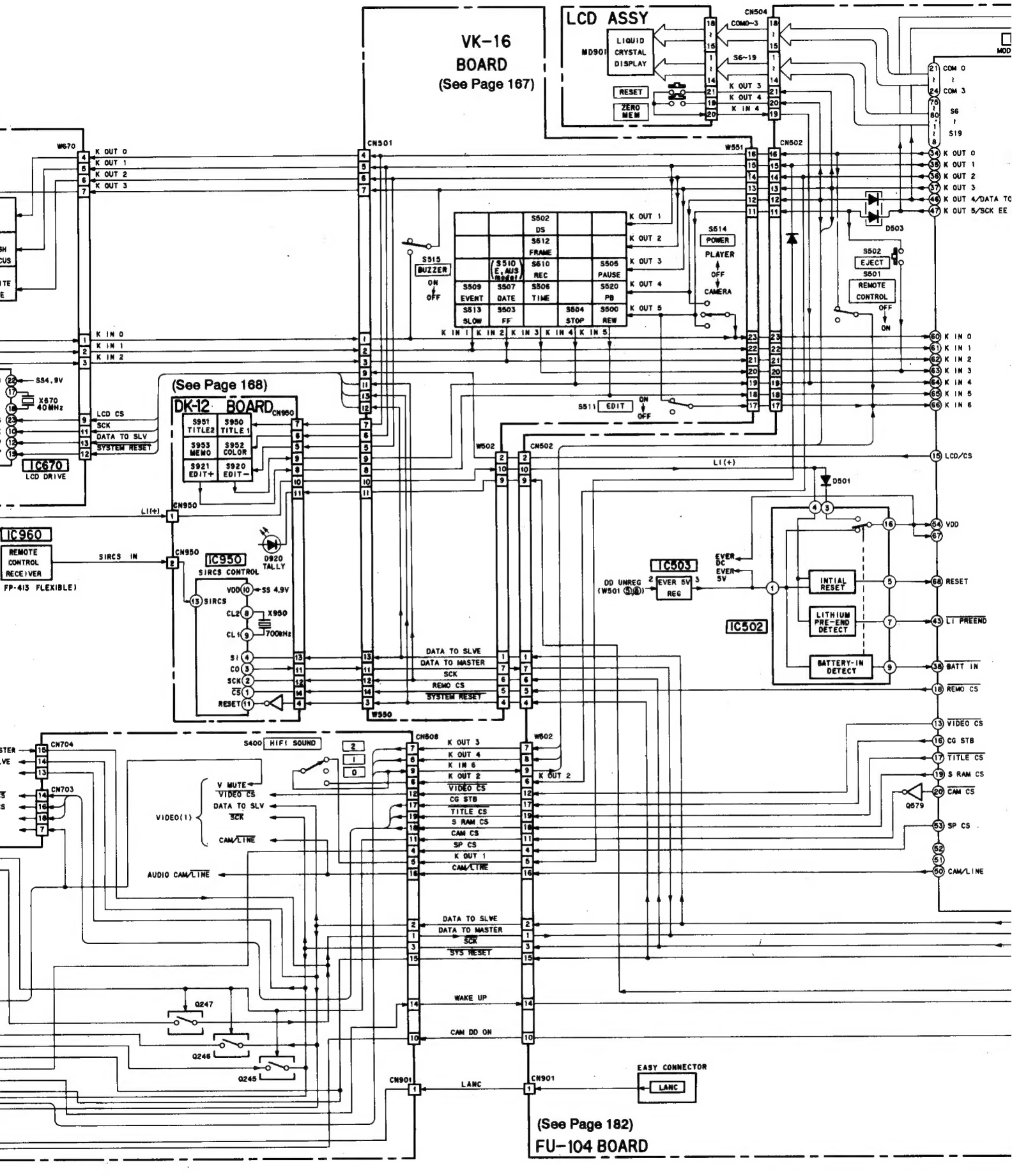
09

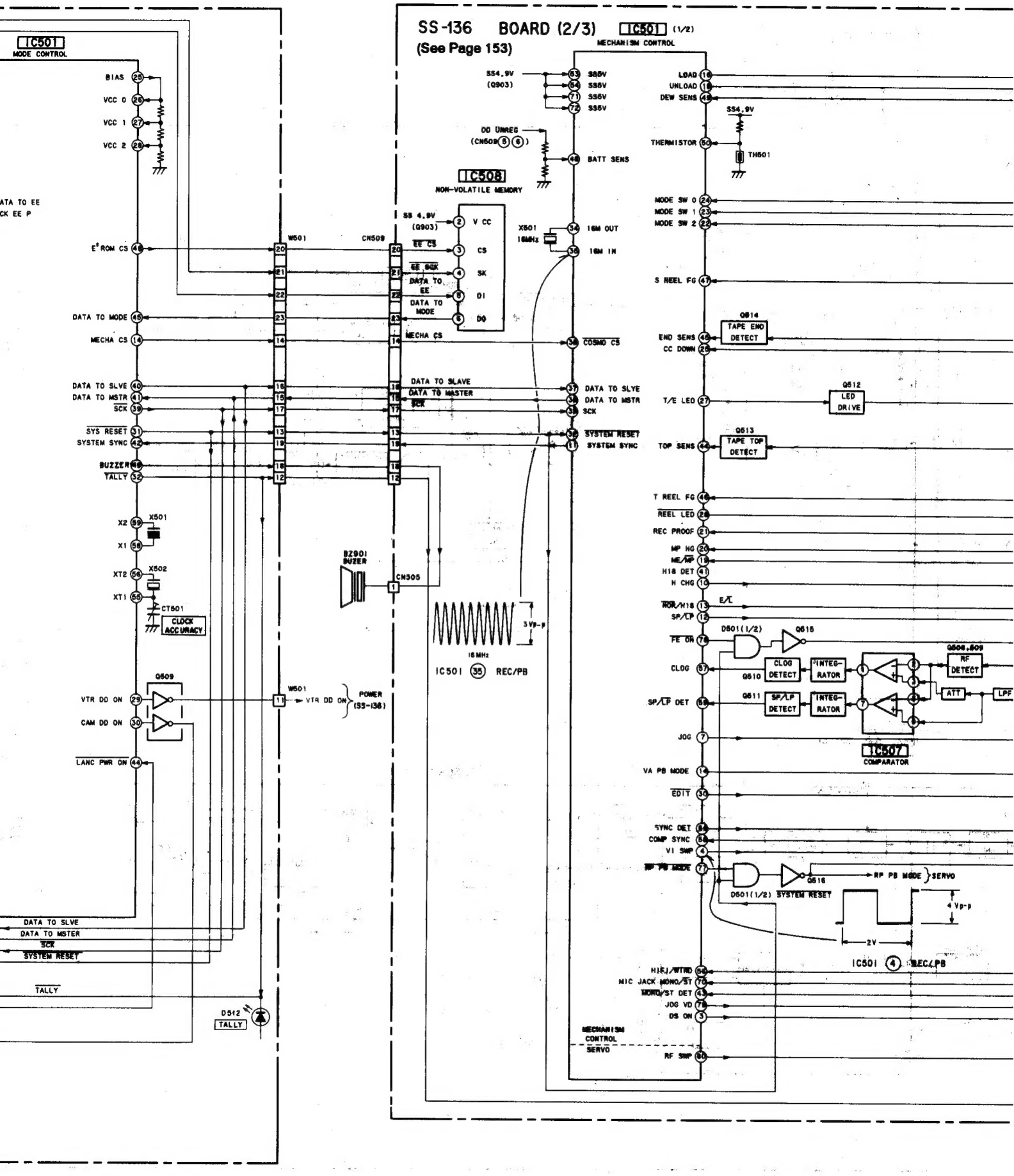

CN501
D SWP
VIDEO(2)
(RP-77)
CN506
RF SWP
DIGITAL TITLER
(CT-40)
RF SWP
AUDIO
(VA-70)
CN508
D SWP
CHECK
IC503 (1/2)
INTEGRATOR
OVER CURRENT PROTECT
I SENS
LPF
CAP ERROR
SS4.9V
Q502
DRUM
ACCEL
0.16V
DRUM ERROR
IC901 (1/2) DRUM/CAPSTAN PWM
DRUM/CAPSTAN PWM DRIVE
ERROR AMP
PWM COMP.
SWITCHING DRIVE
Q901
Q902
D901,L903
D901,L904
FLY WHEEL
SWITCHING
DRUM VS
CAP VS
DRUM NFB
CAP FNB
U.V. LO
SHORT CIRCUIT PROTECT
TRIANGLE OSC
RV901
DD FO
MOTOR UNREG
(CN509 7 8)
D506
DRM ON
CAP ON
DRM RVS
DRM BRK
STBY
DIR
BRAKE
REF
VS
CAP FWD/RVS
FRC
1.6Vp-p
H
C501 (58) REC/PB
IC506 ATF SERVO
GAIN CONT
GCA
BALANCED MODULATOR
3TH BPF
7TH BPF
PEAK DET
SAMPLING HOLD
SCHMITT
V REF
AMP
ATF ERROR
CH1/CH2
TS A
TS B
RP PB MODE
REC ATF
SEL1
SEL2
OSC
X502
5.94755MHz
5.94MHz
3.4 Vp-p
A Vcc
D Vcc
IC506 (14) REC/PB
Vcc1
Vcc3
Vcc2

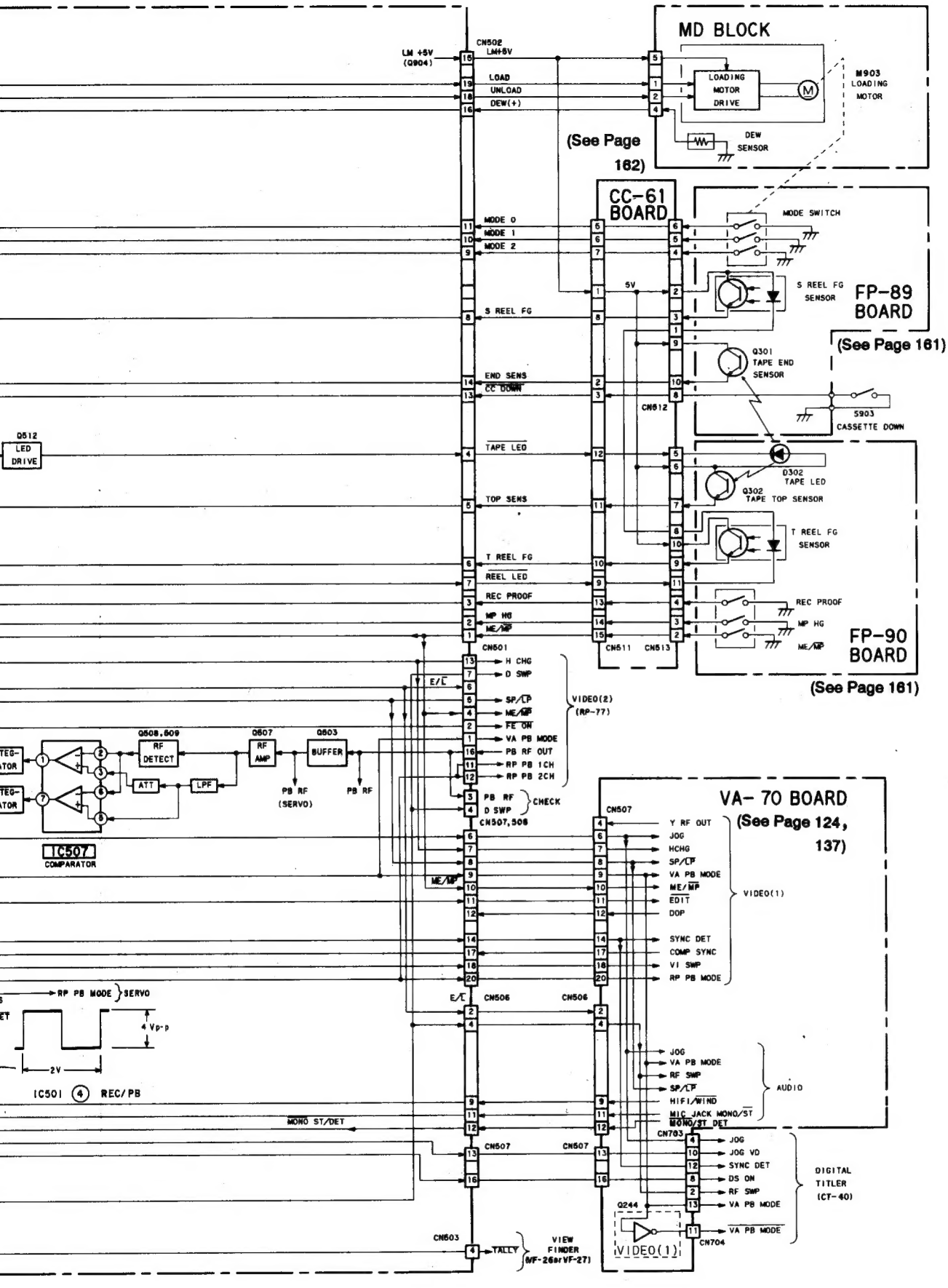

MD BLOCK
IC503 (1/2)
DRUM MOTOR DRIVE
DRUM VS
W510
DRM COM
VCC2 VCC1
COM
VS
U IN
V IN
W IN
LPF
REF
OVER-HEAT PROTECT
ROTER POSITION DETECT
STBY
START CONTROL
TIMING CONTROL
SOFT SWITING DRIVE
OUTPUT DRIVE BUFFER
OUTPUT DRIVE
DRM U
DRM V
DRM W
M901 DRUM MOTOR
DIR
BRAKE
I COM
Q540
SILENCER
R548-551 DRUM DRIVE CURRENT SENS
IC504
CAPSTAN MOTOR DRIVE
FRC
POWER OFF
120° LOGIC
CAP U
CAP V
CAP W
W505
M902 CAPSTAN MOTOR
Vcc1
Vcc3
Vcc2
UHE (+)
VHE (+)
WHE (+)
HE POWER
VN-
VN+
HE Vcc
HE GND
HALL DEVICE

3-10. SYSTEM CONTROL BLOCK DIAGRAM




VK-16 BOARD
(See Page 167)
LCD ASSY
LIQUID CRYSTAL DISPLAY
MD901
RESET
ZERO MEM
CN504
COM0~3
S6~19
K OUT 3
K OUT 4
K IN 4
CN501
CN502
W670
W551
K OUT 0
K OUT 1
K OUT 2
K OUT 3
K IN 0
K IN 1
K IN 2
S54.9V
X670 40MHz
LCD CS
SCK
DATA TO SLV
SYSTEM RESET
IC670
LCD DRIVE
S502 DS
S512 FRAME
S510 E,AUS MODEL
S505 PAUSE
S509 EVENT
S507 DATE
S506 TIME
S520 PB
S513 SLOW
S503 FF
S504 STOP
S500 REW
K IN 1 K IN 2 K IN 3 K IN 4 K IN 5
S515 BUZZER
S514 POWER
PLAYER
OFF
CAMERA
S502 EJECT
S501 REMOTE CONTROL
D503
S511 EDIT
(See Page 168)
DK-12 BOARD CN950
S951 TITLE2
S950 TITLE 1
S953 MEMO
S952 COLOR
S921 EDIT+
S920 EDIT-
W502
LI(+)
D501
IC960
REMOTE CONTROL RECEIVER
SIRCS IN
FP-413 FLEXIBLE)
IC950
SIRCS CONTROL
D920 TALLY
X950 700KHz
DATA TO SLVE
DATA TO MASTER
SCK
REMO CS
SYSTEM RESET
W550
IC503
DD UNREG (W501 ⑤,⑥)
EVER 5V REG
EVER DC EVER 5V
IC502
INTIAL RESET
LITHIUM PRE-END DETECT
BATTERY-IN DETECT
VDD
RESET
LI PREEND
BATT IN
REMO CS
VIDEO CS
CG STB
TITLE CS
S RAM CS
CAM CS
SP CS
CAM/LINE
LCD/CS
CN704
CN703
S400 HIFI SOUND
CN808
W602
V MUTE
VIDEO CS
DATA TO SLV
SCK
CAM/LINE
VIDEO(1)
AUDIO CAM/LINE
Q579
Q247
Q246
Q245
WAKE UP
CAM DD ON
CN901
LANC
EASY CONNECTOR
(See Page 182)
FU-104 BOARD


SS-136 BOARD (2/3) IC501 (1/2)
(See Page 153)
IC501
MODE CONTROL
MECHANISM CONTROL
IC508
NON-VOLATILE MEMORY
IC507
COMPARATOR
W501
CN509
CN505
X501
X502
CT501
CLOCK ACCURACY
BZ901 BUZZER
D512 TALLY
Q509
Q510 CLOG DETECT
Q511 SP/LP DETECT
Q512 LED DRIVE
Q513 TAPE TOP DETECT
Q514 TAPE END DETECT
Q515
Q516
Q506,509 RF DETECT
INTEGRATOR
ATT
LPF
D501(1/2)
SYSTEM RESET
SERVO
POWER (SS-138)
IC501 (35) REC/PB
IC501 (4) REC/PB
3Vp-p
4Vp-p
2V
16MHz
BIAS
VCC 0
VCC 1
VCC 2
E²ROM CS
DATA TO MODE
MECHA CS
DATA TO SLVE
DATA TO MSTR
SCK
SYS RESET
SYSTEM SYNC
BUZZER
TALLY
X2
X1
XT2
XT1
VTR DD ON
CAM DD ON
LANC PWR ON
SS 4.9V (Q903)
DD UNREG (CN508 5 6)
EE CS
EE SCK
DATA TO EE
DATA TO MODE
V CC
CS
SK
DI
DO
X501 16MHz
16M OUT
16M IN
MECHA CS
COSMO CS
DATA TO SLVE
DATA TO MASTER
SCK
SYSTEM RESET
SYSTEM SYNC
S5V
LOAD
UNLOAD
DEW SENS
THERMISTOR
TH501
BATT SENS
MODE SW 0
MODE SW 1
MODE SW 2
S REEL FG
END SENS
CC DOWN
T/E LED
TOP SENS
T REEL FG
REEL LED
REC PROOF
MP HG
ME/MP
H18 DET
H CHG
NOR/H18
SP/LP
FE ON
CLOG
SP/LP DET
JOG
VA PB MODE
EDIT
SYNC DET
COMP SYNC
V1 SWP
RF PB MODE
H18J/WIND
MIC JACK MONO/ST
MONO/ST DET
JOG VD
DS ON
RF SWP
DATA TO SLVE
DATA TO MSTER
SCK
SYSTEM RESET
TALLY


MD BLOCK
LOADING MOTOR DRIVE
M903 LOADING MOTOR
DEW SENSOR
(See Page 162)
CC-61 BOARD
MODE SWITCH
S REEL FG SENSOR
FP-89 BOARD
(See Page 161)
Q301 TAPE END SENSOR
S903 CASSETTE DOWN
Q302 TAPE LED
Q302 TAPE TOP SENSOR
T REEL FG SENSOR
REC PROOF
MP HG
ME/MP
FP-90 BOARD
(See Page 161)
VA-70 BOARD
(See Page 124, 137)
LM +5V (Q904)
LOAD
UNLOAD
DEW(+)
MODE 0
MODE 1
MODE 2
5V
S REEL FG
END SENS
CC DOWN
TAPE LED
TOP SENS
T REEL FG
REEL LED
REC PROOF
MP HG
ME/MP
CN502
CN501
CN512
CN511
CN513
Q512 LED DRIVE
H CHG
D SWP
E/E
SP/LP
FE ON
VA PB MODE
PB RF OUT
RP PB 1CH
RP PB 2CH
VIDEO(2) (RP-77)
CHECK
Q508,509 RF DETECT
Q507 RF AMP
Q503 BUFFER
ATT
LPF
PB RF (SERVO)
PB RF
IC507 COMPARATOR
CN507,508
CN507
Y RF OUT
JOG
HCHG
SP/LP
VA PB MODE
ME/MP
EDIT
DOP
SYNC DET
COMP SYNC
V SWP
RP PB MODE
VIDEO(1)
CN506
CN506
JOG
VA PB MODE
RF SWP
SP/LP
HIFI/WIND
MIC JACK MONO/ST
MONO/ST DET
AUDIO
MONO ST/DET
CN703
JOG
JOG VD
SYNC DET
DS ON
RF SWP
VA PB MODE
VA PB MODE
CN704
DIGITAL TITLER (CT-40)
Q244
VIDEO(1)
CN503
TALLY
VIEW FINDER (VF-26 or VF-27)
RP PB MODE
SERVO
4 Vp-p
2V
IC501 ④ REC/PB